

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Rafael L. Espinoza et al.	§	Group Art Unit:	1621
		§		
Serial No.:	10/743,856	§	Examiner:	Jafar F. Parsa
		§		
Filed:	December 22, 2003	§	Atty. Dkt. No.:	1856-24401
		§		(9600.0-01)
For:	Attrition resistant bulk metal	§		
	catalysts and methods of	§		
	making and using same	§		

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Date: December 2, 2005

Mail Stop Amendment
 Commissioner for Patents
 P. O. Box 1450
 Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §1.97, §1.98, Applicant is providing herewith this Information Disclosure Statement, including copies of the supplementary items listed on the attached U.S. Patent and Trademark Office Form PTO/SB/08b which substitutes 1449B form. This information is supplemental to the Information Disclosure Statements and Forms PTO 1449 filed in the above-referenced case on June 23, 2004 and on October 13, 2005.

When the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date so that the month of publication is not an issue. Applicant has listed publication dates on the attached PTO/SB/08a/b Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

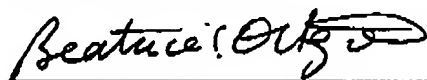
The submission of this Information Disclosure Statement and the references submitted therewith is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation, that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action.

It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

Under §1.97(c)(2), this information shall be considered if filed before the mailing of a final office action if accompanied by a fee in the amount of \$180.00 as required by §1.17(p). Accordingly, the necessary fee accompanies this Information Disclosure Statement.

It is respectfully requested that the attached documents be considered and officially cited in the examination of this application.

Respectfully submitted,



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180.00

PTO/SB/08a 07-05)

Approved for use through 07/31/2006. OMB 0651-0031
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Substitute for form 1449A/PTO			Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/743,856	
			Filing Date	December 22, 2003	
			First Named Inventor	Rafael L. Espinoza et al	
			Group Art Unit	1621	
			Examiner Name	Jafar P. Parsa	
Sheet	1	of	2	Attorney Docket Number	1856-24401 (9600.0-01)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-4822824	04-18-1989	Iglesia et al.	
	AB	US-6586481 B2	07-01-2003	Pederzani et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	AC	EP- 0110 449 B1	06-13-1984	Hoek et al.		
	AD	EP- 0266 898 A2	05-11-1988	Behrmann et al.		
	AE	EP- 0455 307 A1	11-06-1991	Joustra et al.		

Examiner Signature	Date Considered
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*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

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PTO/SB/08b (07-05)

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/743,856
				Filing Date	December 22, 2003
				First Named Inventor	Rafael L. Espinoza et al
				Group Art Unit	1621
				Examiner Name	Jafar F. Parsa
Sheet	2	of	2	Attorney Docket Number	1856-24401 (9600.0-01)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T ²
	BA	IGLESIA ET AL., "Fischer-Tropsch Synthesis on Cobalt and Ruthenium. Metal Dispersion and Support Effects on Reaction Rate and Selectivity," Journal of Catalysis, Vol. 137, (1992), pp. 212-224	
	BB	SAIB ET AL., "Silica supported cobalt Fischer-Tropsch catalysts: effect of pore diameter of support", Catalysis Today, Issues 3-4, Vol. 71 (January 2002), pp. 395-402	
	BC	SCHULZ ET AL., "Construction of the Fischer-Tropsch regime with cobalt catalysts," Catalysis Today, Vol. 71, Issues 3-4, (January 2002), pp. 351-360	
	BD	HURLBUT, R.S., Puskas, I., Schumacher, D.J., "Fine details on the selectivity and kinetics of the Fischer-Tropsch synthesis over precipitated cobalt catalysts by combination of quantitative gas chromatography and modelling," ACS Div. Fuel Chem. Prepr., Vol. 40(1), 1995, pp. 158-166	
	BE	PATZLAFF, ET AL., "Interpretation and kinetic modeling of product distributions of cobalt catalyzed Fischer-Tropsch synthesis," Catalysis Today, Issues 3-4, Vol. 71 (January 2002) pp. 381-394	

Examiner Signature		Dated Considered	
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*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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